

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

EFFECTS OF FROST AND HAIL STARTING TO SHOW

The effects of the frost and hail in the middle of May are starting to become apparent. Corn growth was stunted across the central third of Minnesota; however in most areas replanting has not been necessary as the corn is recovering with new growth. Soybeans have been replanted in many areas of the state, according to the Minnesota Agricultural Statistics Service. The Central, South Central, and Southwestern Districts experienced high winds on Wednesday, May 24; many stands were damaged by blowing soil.

An estimated 97% of corn has emerged versus 80% last year; the 5-year average is 67%. First cultivation of corn is 9% complete. Corn condition was rated as 65% good to excellent, showing little change from the 64% good to excellent the previous week.

Soybean emergence has reached 82%, compared to 23% last year and the 5-year average of 29%. Cultivation has just started, with 2% complete. Soybean condition was rated as 64% good to excellent.

Emergence of spring wheat has reached 98%, compared with 58% for the 5-year average. Spring wheat is 12% jointed, compared to 1% at this time last year, and the 5-year average of 4%. Conditions are rated as 77% good to excellent.

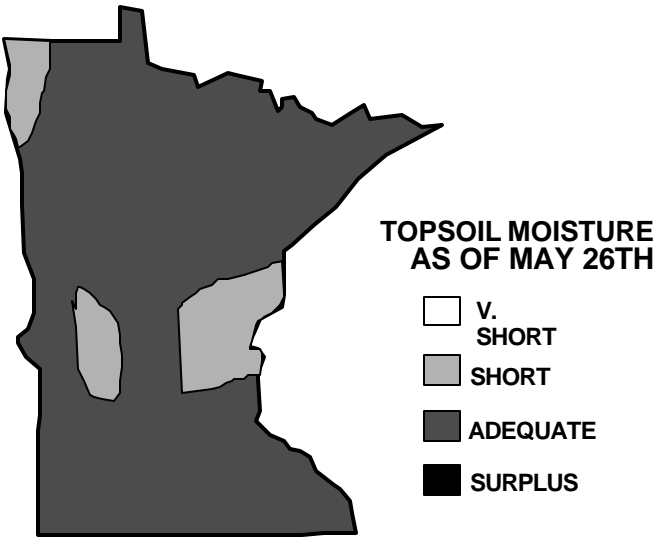
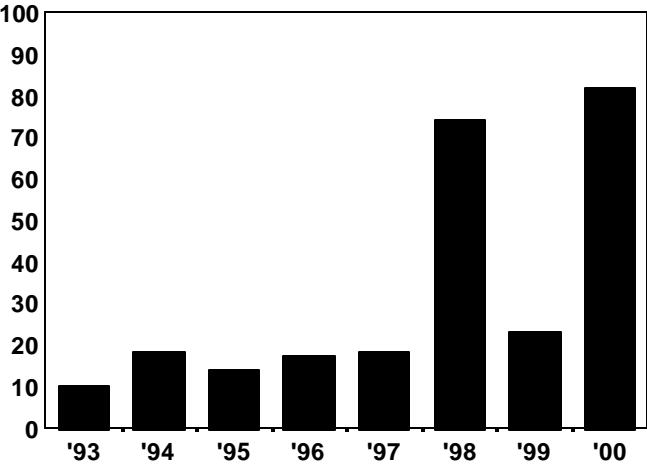
The first cutting of alfalfa hay is 29% completed, compared to 23% last year, and the 5-year average of 12%.

Topsoil moisture conditions across the state were rated 2% very short, 21% short, 74% adequate, and 3% surplus as of Friday.

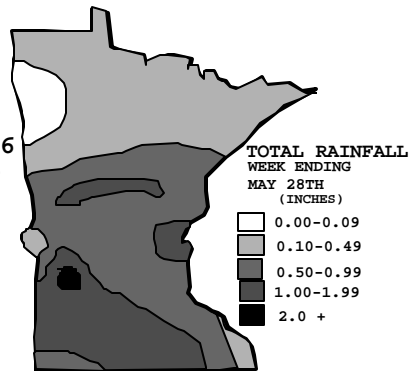
Days Suitable for Fieldwork: 5.0					
		Very Short	Short	Ade-quate	Surplus
Topsoil Moisture (%)		2	21	74	3
Crop Progress as of May 28, 2000					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
-----Percent-----					
Corn	Emerged	67	80	94	97
	Cultivated	3	1	1	9
Soybeans	Planted	71	67	88	95
	Emerged	29	23	49	82
Spring Wheat	Cultivated	NA	0	NA	2
	Emerged	58	72	95	98
Barley	Jointed	4	1	5	12
	Emerged	52	58	97	98
Oats	Jointed	5	3	2	11
	Emerged	83	81	94	96
Green Peas	Jointed	8	5	7	19
	Planted	87	84	94	96
Potatoes	Planted	63	69	81	90
Sweet Corn	Planted	61	58	63	74
Dry Beans	Planted	43	39	62	82
Sunflowers	Planted	39	32	71	92
Alfalfa Hay	First Cutting	12	23	3	29
Crop Condition as of May 26th in %					
	V.Poor	Poor	Fair	Good	Exc.
Pasture	0	8	36	50	6
Barley	1	1	20	60	18
Spring Wheat	4	9	10	62	15
Oats	0	1	29	55	15
Corn	1	4	30	53	12
Soybeans	2	5	29	55	9

District Progress as of May 26th in %								
CROP	NW	NC	WC	CENT	EC	SW	SC	SE
Corn Emerged	84	55	97	89	91	99	99	98
Soybeans	55	85	67	87	43	80	85	86

SOYBEANS PERCENT EMERGED
AS OF MAY 28TH, 1993-2000



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING MAY 28,2000:
Temperatures averaged from 1.0 degrees below normal in the North Central and East Central Districts to 0.9 degrees above normal in the South Central and Southeast Districts. Extremes: 33° in Intl. Falls and Hibbing; 86° in Winona. Precipitation averaged from 0.37 inch below normal in the North Central District to 0.56 inch above normal in the West Central District. Greatest weekly total was 2.74 inches.



Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum to 50 degrees.

Precipitation and Temperature Summary for 05/22/2000 through 05/28/2000

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since Apr 28	Depart from Norm
<u>NW DIST 1</u>										
Crookston	76	39	58.5	.1	.02	-.62	-1.43	-1.88	295	42
Moorhead	78	40	59.1	-.3	.38	-.21	-.40	-.89	314	37
Warroad	76	37	54.8	-.4	.48	-.11	.18	-.58	225	27
<u>NC DIST 2</u>										
Grand Rapids	76	36	56.1	-.1	.57	-.20	.40	.93	295	77
Intl. Falls	73	33	53.8	-1.5	.12	-.54	.35	.42	238	31
Itasca	75	35	54.7	-1.3	.36	-.37	-.27	-1.34	278	66
<u>NE DIST 3</u>										
Duluth	72	36	53.2	-.7	.69	-.07	.21	-.68	220	48
Grand Marais	72	38	50.0	.4	.27	-.44	-.80	-1.49	87	-30
Hibbing	73	33	54.4	-.2	.34	-.34	.37	.13	257	67
<u>WC DIST 4</u>										
Alexandria	75	41	58.1	-1.5	.89	.14	.90	-.19	296	19
Browns Valley	79	40	59.4	-.7	.44	-.23	-.84	-1.07	314	35
Canby	84	42	61.8	.0	1.53	.83	2.79	1.99	372	60
Fergus Falls	75	43	59.9	.6	1.02	.36	.75	.58	321	56
Montevideo	79	44	60.4	-1.0	2.74	1.97	1.91	.92	357	48
Morris	80	47	61.6	2.0	.98	.29	.86	.08	350	74
<u>CENT DIST 5</u>										
Becker	78	40	61.2	2.1	.76	-.11	-.70	-2.07	373	104
Hutchinson	83	46	63.2	1.9	.80	.01	.47	-.52	417	112
Olivia	77	45	59.9	-2.0	.96	.24	1.82	.32	371	57
St. Cloud	78	40	58.9	-.1	.83	.00	.18	-1.16	339	73
Staples	73	40	57.2	-.5	.74	-.02	1.04	-.19	293	50
Willmar	77	47	61.0	.1	.89	.02	.28	-1.43	351	54
<u>EC DIST 6</u>										
Aitkin	73	40	55.2	-1.7	1.12	.37	1.43	1.73	284	56
Cambridge	74	39	57.4	-2.5	1.11	.28	-.42	-.18	314	31
MSP Airport	78	49	62.0	.3	.60	-.24	.35	-.95	372	54
St. Paul - UofM	79	49	63.5	.1	.64	-.26	-.10	-1.37	411	52
<u>SW DIST 7</u>										
Lamberton	81	46	61.8	-.1	1.12	.40	2.83	1.42	372	57
Pipestone	83	41	62.1	2.0	1.14	.34	4.26	4.94	359	73
Redwood Falls	82	46	61.2	-2.0	1.13	.43	1.75	.84	384	37
Worthington	83	46	62.0	1.2	.78	-.03	2.52	1.92	364	74
<u>SC DIST 8</u>										
Faribault	77	44	60.6	-.1	.71	-.14	1.59	.07	360	66
Waseca	79	47	62.4	1.5	1.14	.27	2.53	.44	385	84
Winnebago	80	48	62.6	1.4	1.34	.46	3.83	2.33	397	89
<u>SE DIST 9</u>										
Preston	78	42	60.8	1.4	.78	-.13	3.19	1.41	362	91
Red Wing	77	46	60.5	2.0	.75	-.18	-.74	-2.22	361	110
Rochester	76	47	59.4	-.6	.63	-.17	3.87	2.05	337	55
Rosemount	77m	47m	62.2m	.6m	.73m	-.22m	.81m	-.41m	379m	64m
Winona	86	49	63.7	2.7	.38	-.50	-.45	-.48	422	118

m=some data missing

The MINNESOTA CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the Minnesota Agricultural Statistics Service, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. Postmaster: Send address changes to the MINNESOTA CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.